Generation and Reservoirs Statistics

January 13, 2025

PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

January 13, 2025

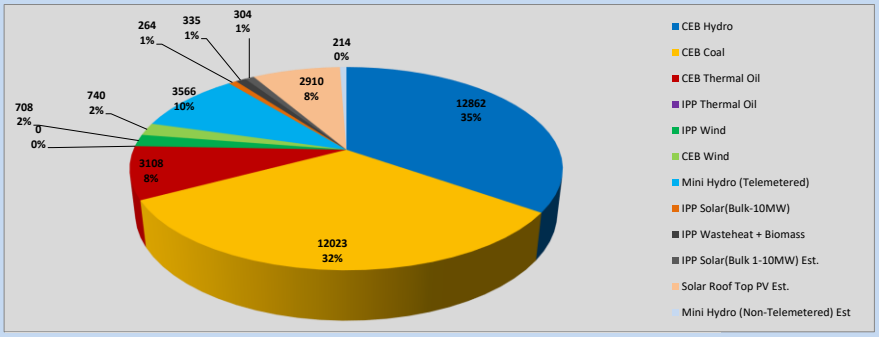


Table 01

	Generation (MWh)
CEB Hydro	12,862
CEB Coal	12,023
CEB Thermal Oil	3,108
IPP Thermal Oil	-
IPP Wind	708
CEB Wind	740
Mini Hydro (Telemetered)	3,566
IPP Solar (Bulk)	264
IPP Waste heat + Biomass	335
Total Generation (Excluding estimated figures)	33,606
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	214
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,910
Total Generation (Including estimated figures)	**37,034**

*** Estimated figures of CEB generation report**

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

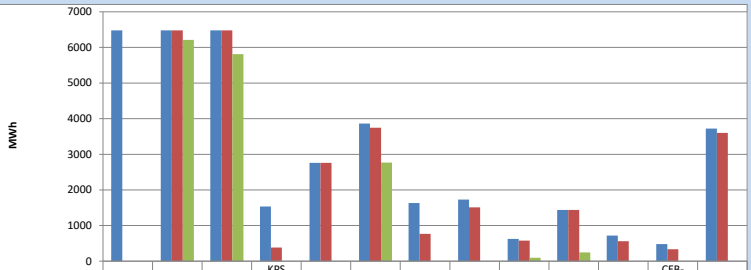
Category	Dispatch (GWh)	
CEB Hydro	185	32.26%
CEB Coal	167	29.22%
CEB Thermal Oil	80	14.04%
IPP Thermal	24	4.24%
IPP Wind	10	1.73%
CEB Wind	12	2.02%
Mini Hydro *	46	8.04%
IPP Solar *	44	7.72%
IPP Waste heat + BMP	4	0.72%
Total	**572**	

Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	185	32.26%
CEB Coal	167	29.22%
CEB Thermal Oil	80	14.04%
IPP Thermal	24	4.24%
IPP Wind	10	1.73%
CEB Wind	12	2.02%
Mini Hydro *	46	8.04%
IPP Solar *	44	7.72%
IPP Waste heat	4	0.72%
Total	**572**	

*Including estimated contribution from non telemetered plants

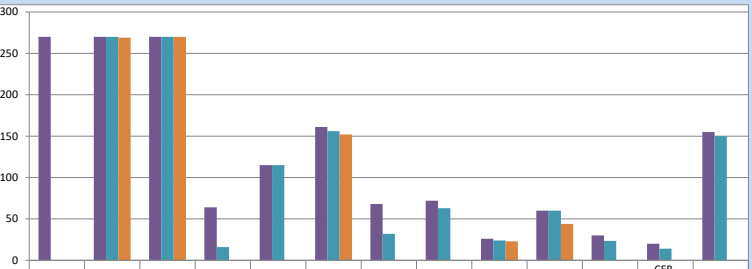
1.2 CEB owned Thermal Plant Dispatch January 13, 2025



	Coal I	Coal II	Coal III	KPS Small GTs	KPS GT 7	KCCP	Sapu A	Sapu B	Uthura Janani	Barge CEB	Dakunu Janani	CEB-Mathugama	KCCPS-2
Rated Daily Generation Capacity (MWh)	6480	6480	6480	1536	2760	3864	1632	1728	624	1440	720	480	3720
Available Generation (MWh)	0	6480	6480	384	2760	3744	768	1512	576	1440	562	336	3600
Actual generation (MWh)	0.00	6213	5810	0	0	2767	0	0	97	244	0	0	0

Available Generation is estimated based on plant availability at 6.00am on January 14, 2025

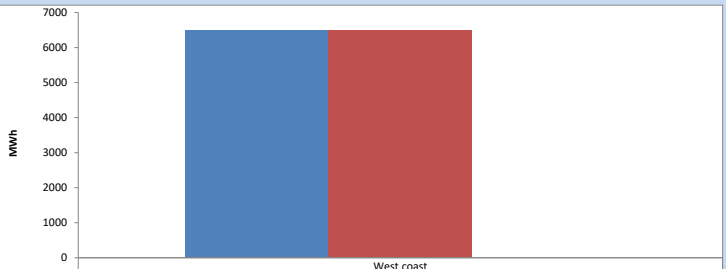
1.3 CEB owned Thermal Plant Loading at the Night Peak January 13, 2025



	Coal I	Coal II	Coal III	KPS Small GTs	KPS GT 7	KCCP	Sapu A	Sapu B	Uthura Janani	Barge CEB	Dakunu Janani	CEB-Mathugama	KCCPS -2
Installed Capacity (MW)	270	270	270	64	115	161	68	72	26	60	30	20	155
Available Capacity (MW)	0	270	270	16	115	156	32	63	24	60	23	14	150
Night Peak Load (MW)	0	269	270	0	0	152	0	0	23	44	0	0	0

Plant availability is recorded at 6.00 am on January 14, 2025

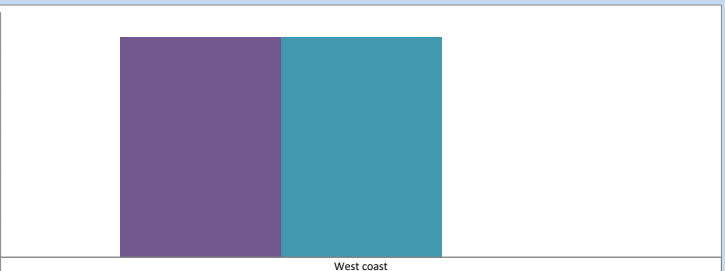
1.4 IPP owned Thermal Plant Dispatch January 13, 2025



	West coast
Rated Daily Generation Capacity (MWh)	6480
Available Generation (MWh)	6480
Actual generation (MWh)	0

Available Generation is estimated based on plant availability at 6.00am on January 14, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

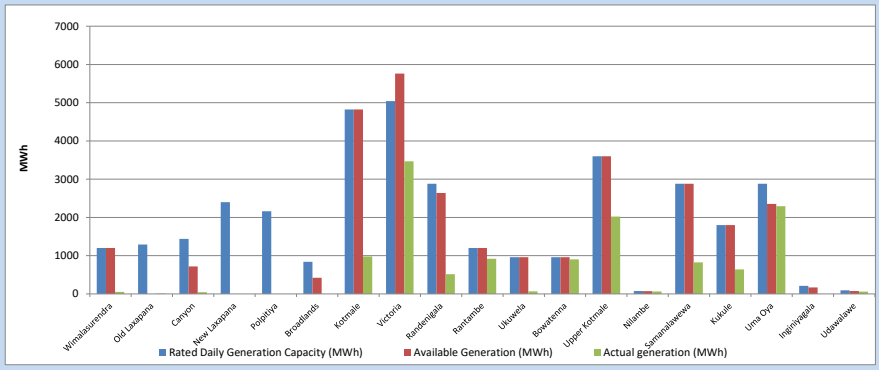


	West coast
Installed capacity (MW)	270
Available capacity (MW)	270
Night peak load (MW)	0

Plant availability is recorded at 6.00 am on January 14, 2025

1.6 Major Hydro Plant Dispatch

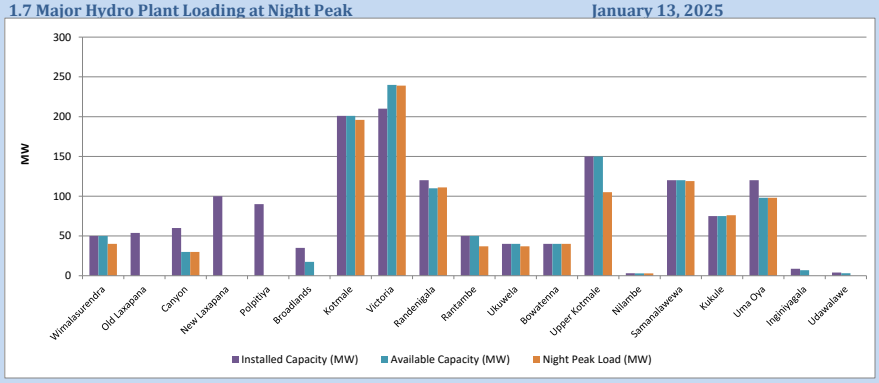
January 13, 2025



Available Generation is estimated based on plant availability at 6.00am on January 14, 2025

1.7 Major Hydro Plant Loading at Night Peak

January 13, 2025



Plant availability is recorded at 6.00 am on January 14, 2025

1.8 Summary of Major Plant performance

January 13, 2025

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	40	53
Old Laxapana	54	0	0	11
Canyon	60	30	30	44
New Laxapana	100	0	0	0
Polpitiya	90	0	0	0
Broadlands	35	18	0	0
Kotmale	201	201	196	980
Victoria	210	240	239	3,468
Randenigala	120	110	111	516
Rantambe	50	50	37	918
Ukuwela	40	40	37	67
Bowatenna	40	40	40	902
Upper Kotmale	150	150	105	2,021
Nilambe	3	3	3	65
Samanalawewa	120	120	119	825
Kukule	75	75	76	639
Uma Oya	120	98	98	2,293
Inginiyagala	9	7	0	0
Udawalawe	4	3	0	62
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	269	6,213
Puttalam Coal III	270	270	270	5,810
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	156	152	2,767
Sapugaskanda A	68	32	0	0
Sapugaskanda B	72	63	0	0
Uthura Janani	26	24	23	97
Barge CEB	60	60	44	244
CEB-Hambantota	30	23	0	0
CEB-Mathugama	20	14	0	0
KCCPS -2	155	150	0	0
West Coast	270	270	0	0
Sobadhanavi	220	212	0	0
Total	3,602	2,698	2,117	27,995

Note- Excluding NCRE generation

Plant availability is the availability recorded at 6 am on January 14, 2025

1.9 Contribution to the Night Peak in MW

January 13, 2025

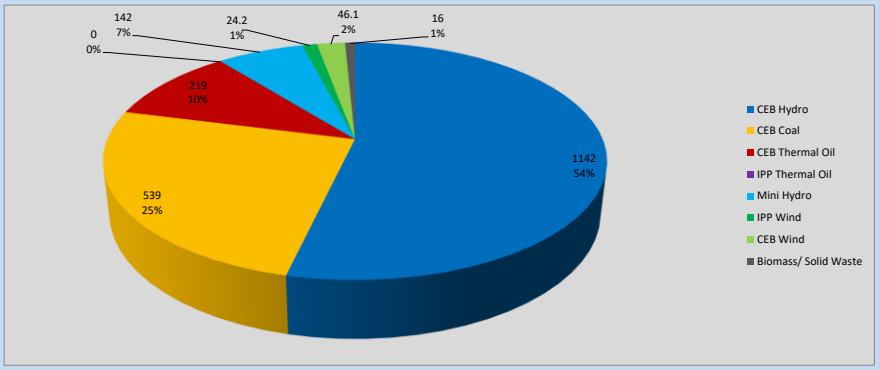


Table 05

CEB Hydro	1,142	MW
CEB Coal	539	MW
CEB Thermal Oil	219	MW
IPP Thermal Oil	0	MW
Mini Hydro (Telemetered)	142	MW
IPP Wind	24.2	MW
CEB Wind	46.1	MW
Biomass/ Solid Waste	16	MW

Recorded Peak Demand Data

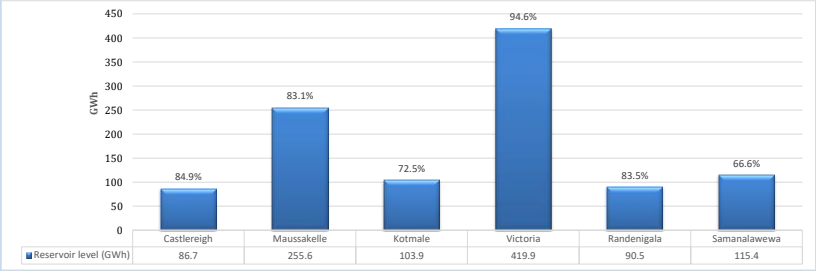
Table 06

Night Peak*	2,128	MW
Day Peak Maximum Demand	1,678	MW
Day Peak Minimum Demand	902	MW
Off Peak Minimum Demand	1,200	MW

Above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

1.10 Reservoir Levels -

as at 06.00 Hr on January 14, 2025



Total Reservoir Level 1,072 GWh
% of Total capacity 83.8%

1.11 Day Ahead Planned Demand Vs Actual Demand (Excluding non telemetered data)

January 13, 2025

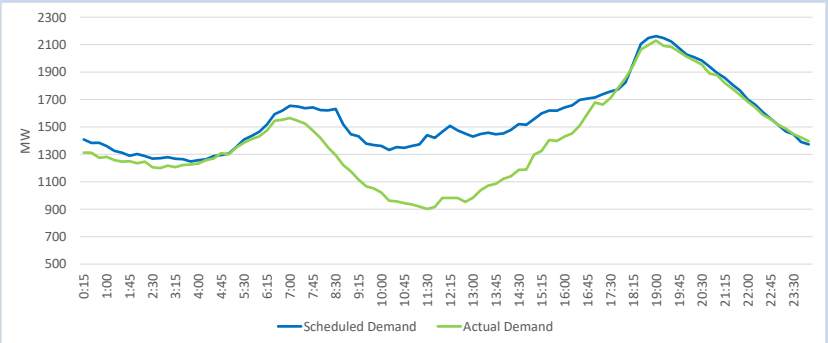
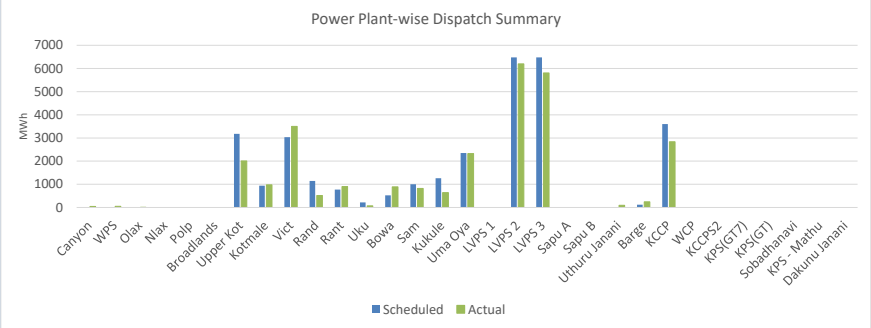


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	14,424	12,862	(1,562)
CEB Coal	12,960	12,023	(937)
CEB Thermal Oil	3,730	3,108	(622)
IPP Thermal Oil	-	-	-
NCRE (excluding non telemetered power plants)	6,214	5,613	(601)
Total	**37,328**	**33,606**	**(3,722)**

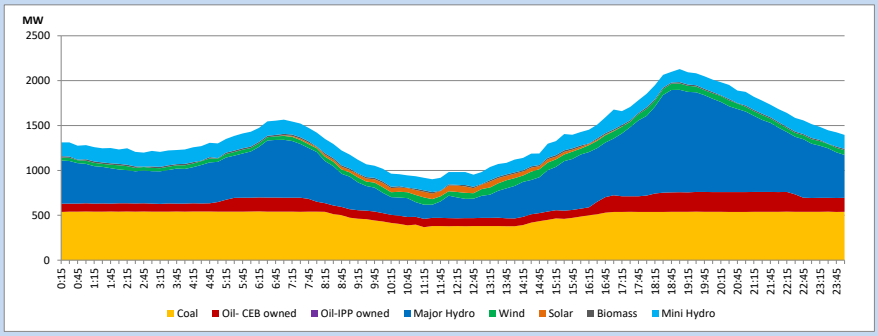
1.12 Power Plant-wise Dispatch Summary

January 13, 2025



1.13 Daily Load Curve

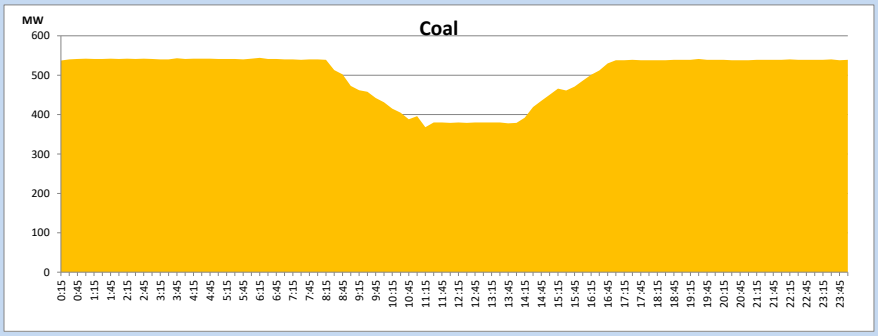
January 13, 2025



Solar and wind data is based on Telemetered Power Stations only

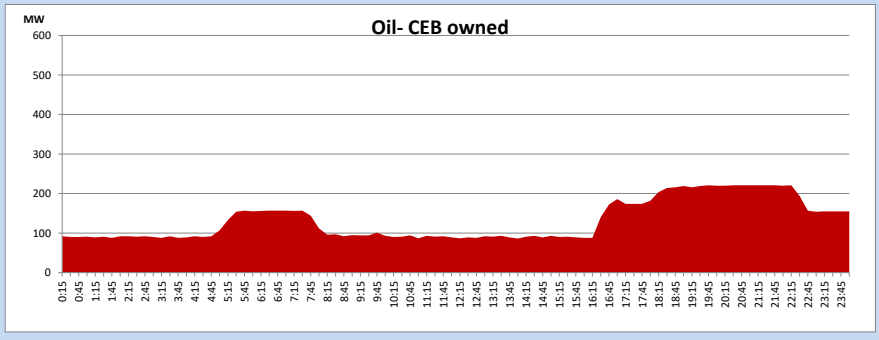
Coal Generation during

January 13, 2025

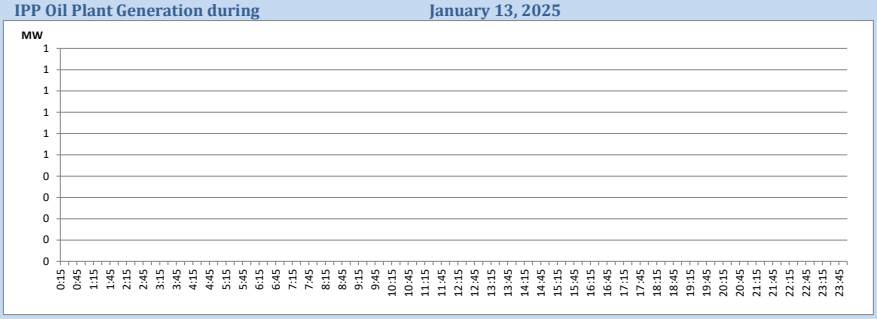


CEB Oil Plant Generation during

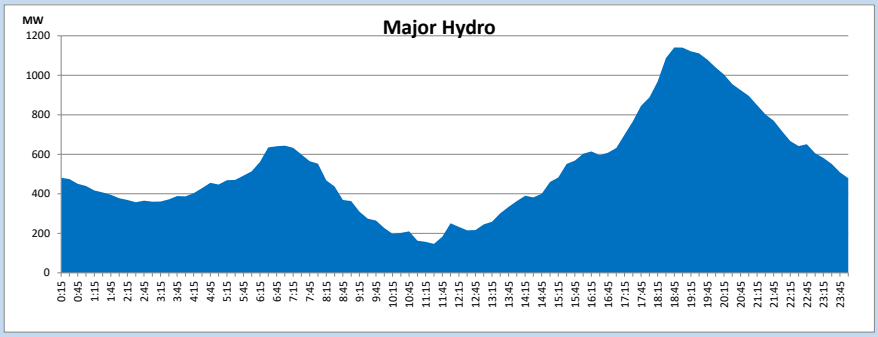
January 13, 2025



IPP Oil Plant Generation during January 13, 2025

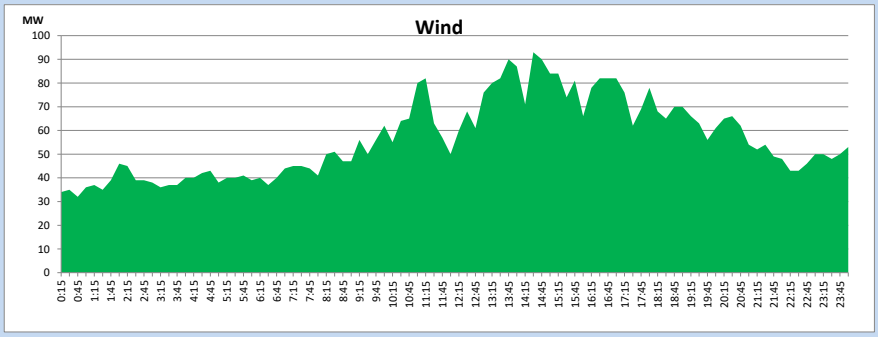


Major Hydro Generation during January 13, 2025



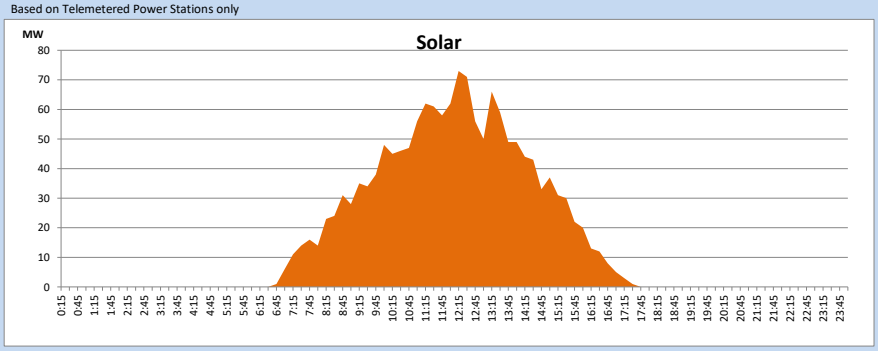
Wind Generation during January 13, 2025

Based on Telemetered Power Stations only



Solar Generation during January 13, 2025

Based on Telemetered Power Stations only

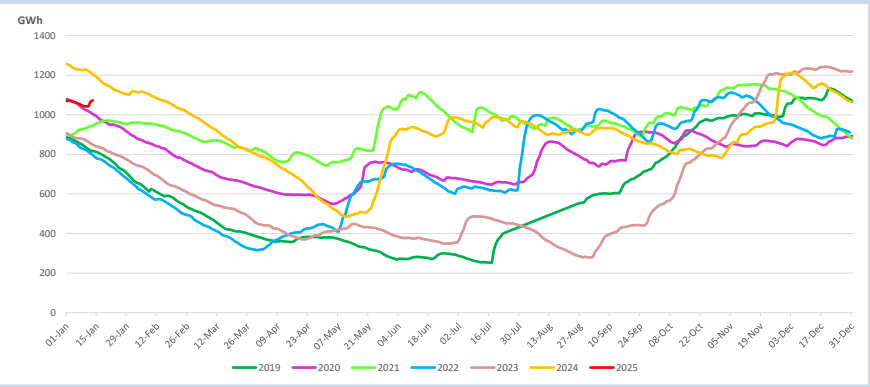


1.14 Major Incidents reported during the day January 13, 2025

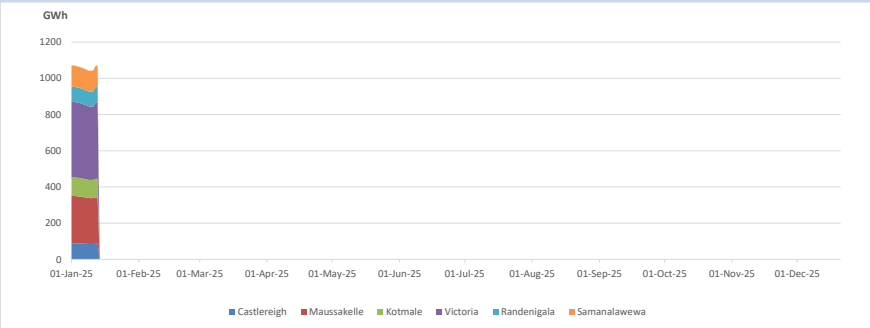
1) Seethawaka 132/33kV T/F 01 manually switched off at 14:49hrs upon the request of the O&M team due to the R-phase compressor failure. The T/F is yet to be normalized.

2) Kukule unit 01 automatically deloaded from 26MW and tripped at 22:43hrs with the indication of reverse power protection. The unit was madeavailable for generation at 23:22hrs.
3) Uma Oya Puhulpola pond spilling stopped at 00:55hrs (14.01.2025). Uma Oya Dyraaba pond spilling started at 03:25hrs (14.01.2025) and spillingcontinues to the present hour.

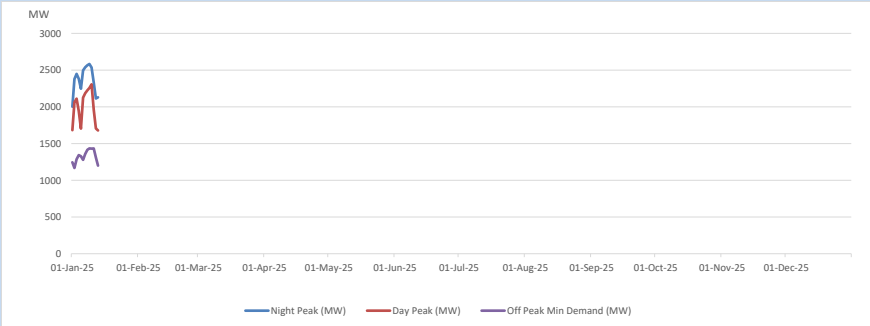
2. Comparison of Total Reservoir Storage Levels with Past Years



3. Variation of Major Hydro Reservoir Levels in the current year (GWh)

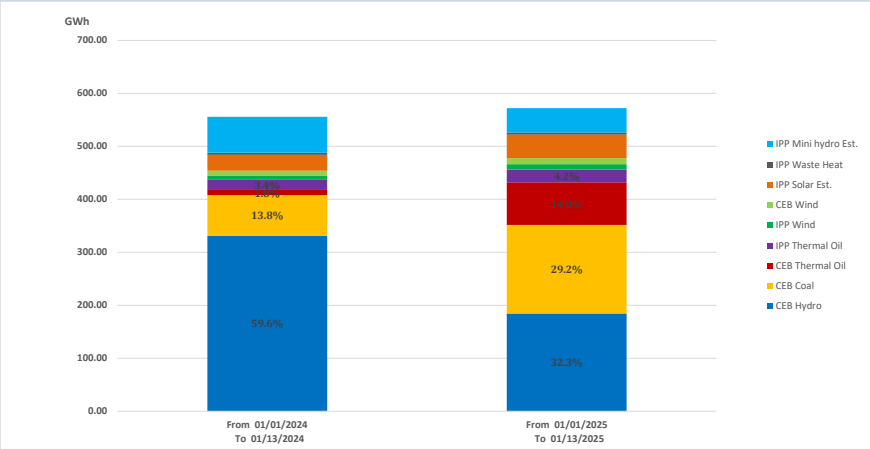


4. Variation of Demand during the current year



The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

5. Cumulative Dispatch Comparison with Last Year



Cumulative dispatch

From 01/01/2024 To 01/13/2024	**556**	**GWh**
From 01/01/2025 To 01/13/2025	**572**	**GWh**

The above figures are including contribution from roof top solar, non telemetered solar and mini hydro plants)

Thermal Power Plant - Fuel types

Table 08

Power Station	Primary Fuel
CEB Thermal	
Sapugaskanda 1	Heavy Fuel
Sapugaskanda 2	Heavy Fuel
Kelanitissa Small Gas Turbines	Auto Diesel
GT 7 - Kelanitissa	Auto Diesel
Kelanitissa CCY	Naphtha or Diesel
Lakvijaya 1	Coal
Lakvijaya 2	Coal
Lakvijaya 3	Coal
Uthuru Janani	Heavy Fuel
Barge CEB	Heavy Fuel
KCCPS -2	Auto Diesel

Power Station	Primary Fuel
Private Thermal	
West Coast	Auto Diesel / Heavy Fuel
Sobadhanavi	Auto Diesel

6. Installed System Capcity

Table 09

	Installed Capacity (MW)
CEB Hydro	1,531
CEB Coal	810
CEB Thermal Oil	771
IPP Thermal Oil (West Coast & Sobadhanavi)	482
IPP Wind	163
CEB Wind	100
Mini Hydro	424
IPP Waste heat + Biomass	55
IPP Solar	143
Rooftop Solar (Ordinary) -CEB	564
Rooftop Solar (LT Bulk) -CEB	357
Rooftop Solar (HT Bulk)- CEB	110
Rooftop Solar - LECO	245

Data Source - Monthly Review Report Oct 2024 for NCRE installed capacities except for Rooftop solar LECO